



west virginia department of environmental protection

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MEMORANDUM

To: Beverly D. McKeone, PE

From: Steven R. Pursley, PE *SAY*

Date: March 2, 2017

Subject: R14-0030D

On February 27, 2017, Moundsville Power, LLC submitted a request for a Class I Administrative Update to their existing permit to the WVDAQ. Condition 4.1.5 (footnote 2) of the existing permit requires the use of GE Frame 7FA.04 turbines. Moundsville requested the condition be changed to allow the use of either the 7FA.04 turbine OR a 7FA.05 turbine. The 7FA.05 turbine is the latest version of the 7FA class of turbines from GE. It is slightly more efficient (documents I found online represent an increase in net efficiency from 59.2% to 59.9%.) Additionally, although the 7FA.05 may potentially generate more electricity, Moundsville has not requested any increase in either capacity, fuel usage, or emissions. In fact, because of the increased efficiency, Moundsville has proposed slightly reducing their permitted emissions of CO, NO_x, PM, PM₁₀ and VOCs. The reductions will be as follows:

Pollutant	Old Limit (tpy)	New Limit (tpy)	Reduction (tpy)
CO	208.15	206.33	1.82
NO _x	149.81	146.83	2.98
PM	79.15	77.96	1.19
PM ₁₀	79.15	77.96	1.19
VOCs	77.28	76.24	1.04